WINDOWS APPLICATION

REKA E100
ECG Upload Manual

REKA Health ECG Upload
Windows Application Software
User's Manual

Version 3.3.0.0

PN: PJPUM-1011-002-V1.0

April 2013

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Contents

1. Introduction 3
   a.Overview 3
   b.System Requirements 3
2. Installation 4
3. Operation 7
   a.How to connect the E100 to the Windows Application 7
   b.How to Upload ECG record(s) to REKA Health Cloud Server 7
4. New software version indication 10
5. How to check the software version 11
6. Auto Start Enable/Disable upon login 11
7. Log history 11
8. Uninstall 12
9. Troubleshooting 13

1. Introduction

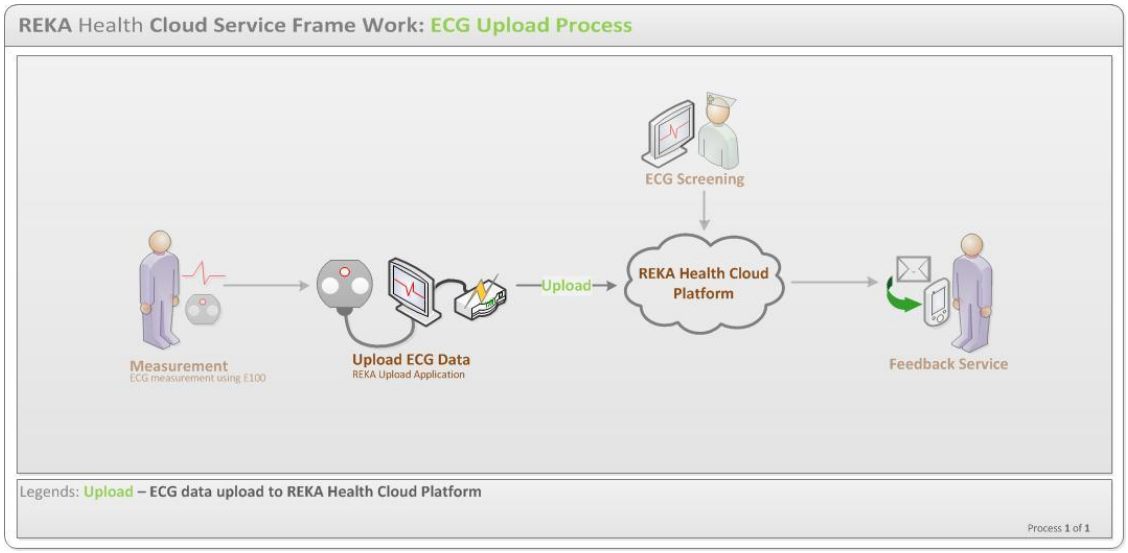
a. Overview

This User Manual describes how to use the 'REKA Health App' to upload ECG records from the E100 device to the REKA Health Cloud server.

Note: How to use the E100 device to record ECG is described in the E100 User Manual, available at https://www.rekahealth.com/userManual.asp

The 'REKA Health App' is available at https://www.rekahealth.com/download.aspx

The diagram below illustrates the overall framework of the REKA Health Cloud Service, from measurement of ECG to receiving feedback from your physician.


REKA Health Cloud Service Frame Work: ECG Upload Process
ECG Screening
Measurement
ECG measurement using E100
Upload ECG Data
REKA Upload Application
Upload
REKA Health Cloud Platform
Feedback Service
Legends: Upload – ECG data upload to REKA Health Cloud Platform
Process 1 of 1

b. System Requirements

Recommended minimum system specification of your PC:

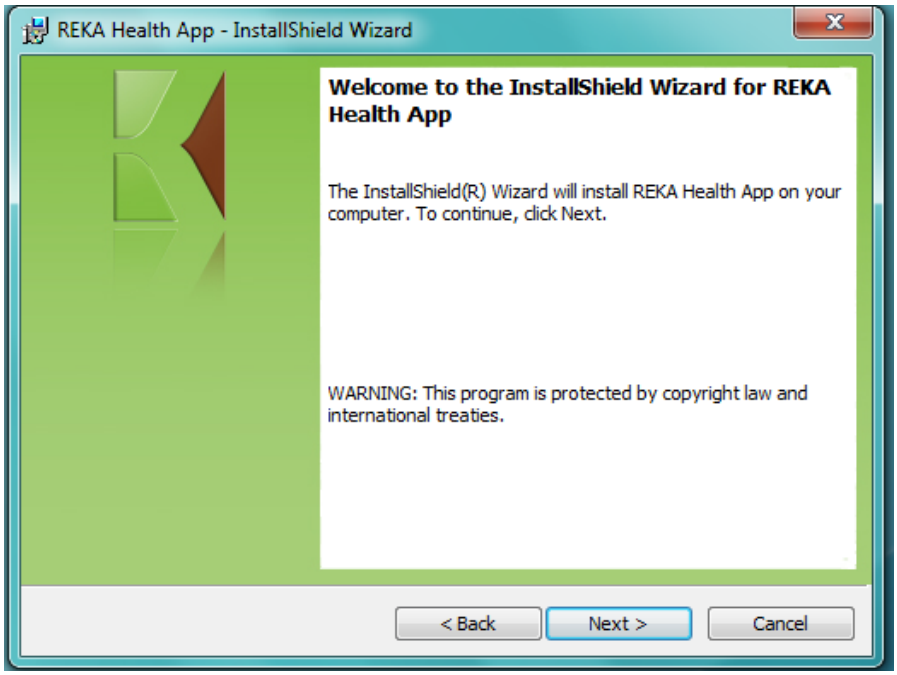
i. 1.5GHz or faster processor.
ii. Microsoft® Windows XP® with Service Pack 2 or Windows Vista® with Service Pack 1 or Window 7®
iii. Minimum of 1GB (XP) or 2GB (Vista) of RAM.
iv. Graphic display of 1,024x768.
v. .NET Framework 4.0.

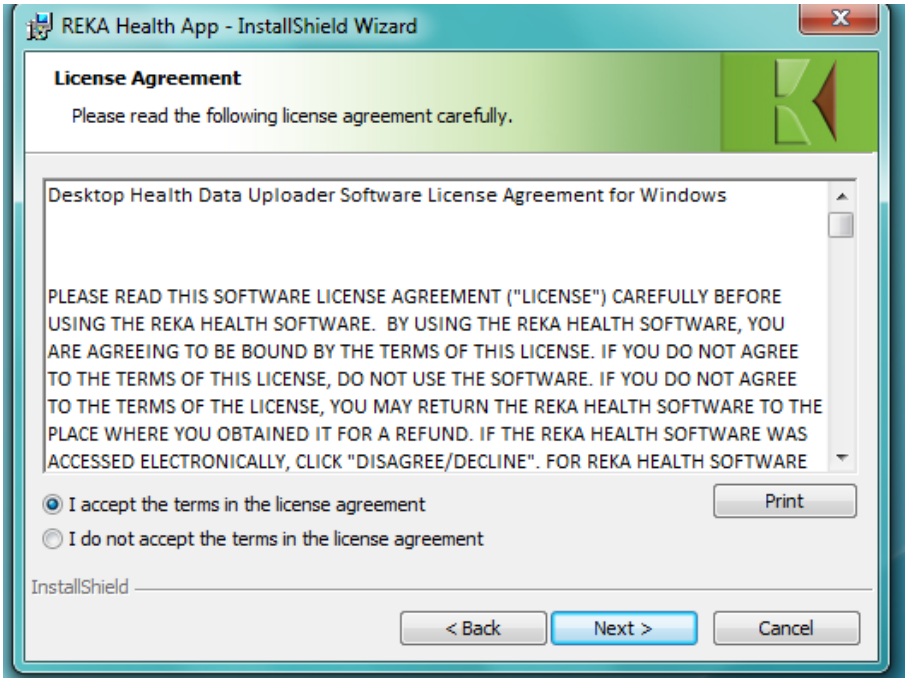
2. Installation

Download the *REKA Health Windows(R) App Software* from https://www.rekahealth.com/download.aspx and run the setup.exe.

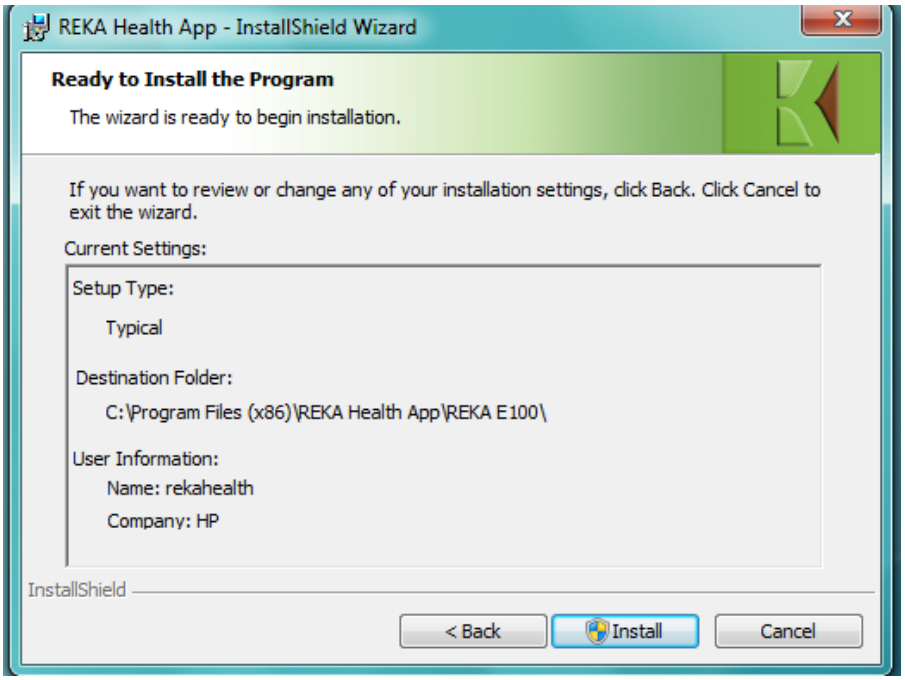
Follow the steps below to complete the installation.

REKA Health App - InstallShield Wizard
Preparing to Install...
REKA Health App Setup is preparing the InstallShield Wizard, which will guide you through the program setup process. Please wait.
Extracting: REKA Health App.msi
Cancel

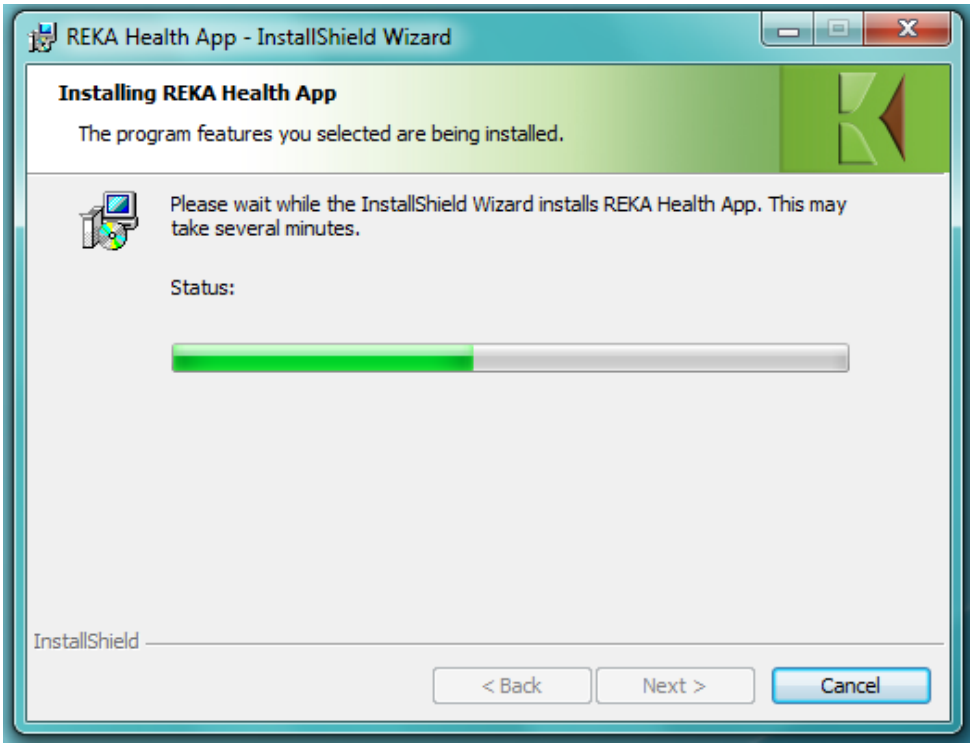

REKA Health App - InstallShield Wizard
Welcome to the InstallShield Wizard for REKA Health App
The InstallShield(R) Wizard will install REKA Health App on your computer. To continue, click Next.
WARNING: This program is protected by copyright law and international treaties.
< Back
Next >
Cancel


REKA Health App - InstallShield Wizard
License Agreement
Please read the following license agreement carefully.
Desktop Health Data Uploader Software License Agreement for Windows
PLEASE READ THIS SOFTWARE LICENSE AGREEMENT ("LICENSE") CAREFULLY BEFORE USING THE REKA HEALTH SOFTWARE. BY USING THE REKA HEALTH SOFTWARE, YOU ARE AGREEING TO BE BOUND BY THE TERMS OF THIS LICENSE. IF YOU DO NOT AGREE TO THE TERMS OF THIS LICENSE, DO NOT USE THE SOFTWARE. IF YOU DO NOT AGREE TO THE TERMS OF THE LICENSE, YOU MAY RETURN THE REKA HEALTH SOFTWARE TO THE PLACE WHERE YOU OBTAINED IT FOR A REFUND. IF THE REKA HEALTH SOFTWARE WAS ACCESSED ELECTRONICALLY, CLICK "DISAGREE/DECLINE". FOR REKA HEALTH SOFTWARE
I accept the terms in the license agreement
I do not accept the terms in the license agreement
Print
InstallShield
< Back
Next >
Cancel

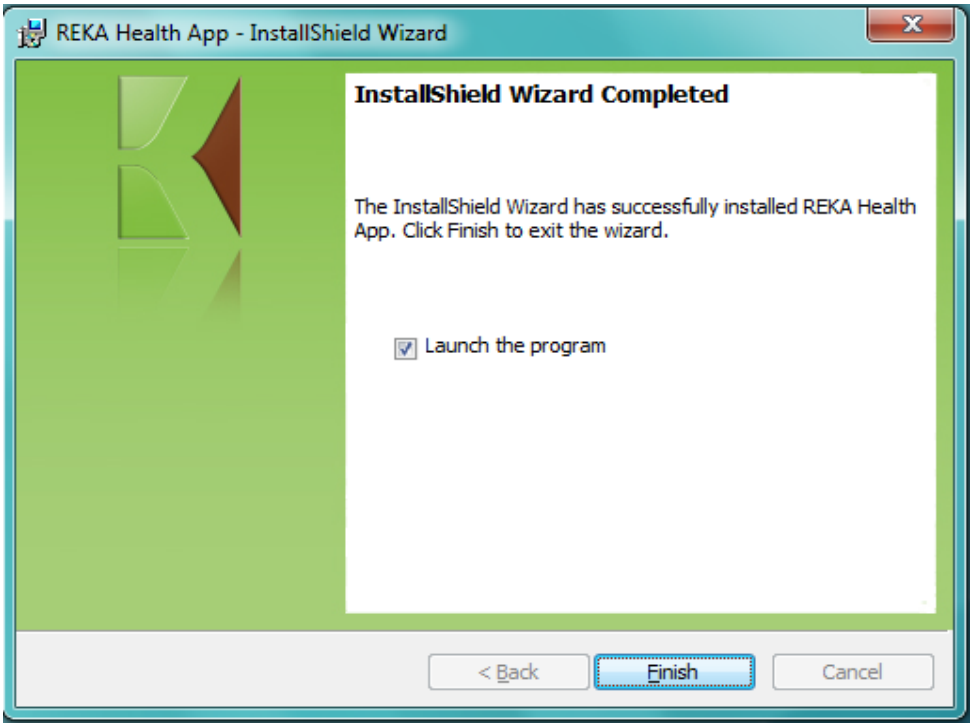
Select "*I accept terms in the license agreement"* if you agree to the terms in the license agreement, after that select "*Next >*".



Select "*Install".*


REKA Health App - InstallShield Wizard
Installing REKA Health App
The program features you selected are being installed.
Please wait while the InstallShield Wizard installs REKA Health App. This may take several minutes.
Status:
InstallShield
< Back
Next >
Cancel

Once the installation process is completed, select "*Launch the program"* and click on *the "Finish"* button.


REKA Health App - InstallShield Wizard
InstallShield Wizard Completed
The InstallShield Wizard has successfully installed REKA Health App. Click Finish to exit the wizard.
Launch the program
< Back
Finish
Cancel

The REKA Health App is now successfully installed on your system and you may proceed to upload the ECGs from the E100.

Note: The *REKA* icon will appear on the windows tray as shown below:

Note:

The REKA Health App works only in the user account in which it has been installed. If multiple user accounts in the same computer will be using for the REKA Health App, the app needs to be installed individually for each account.

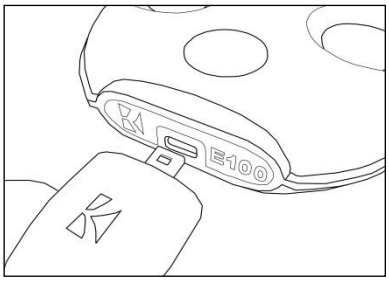
3. *Operation*

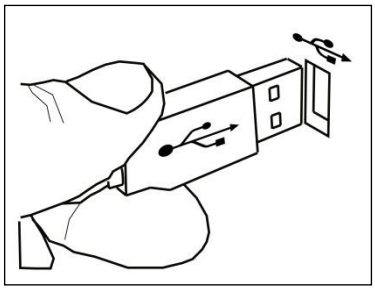
The 'REKA Health App' is a background application; as such the user's interface or dialog box will only be displayed upon connecting E100 to the computer.

a. How to connect the E100 to the Windows Application

Connect the REKA Micro USB connector to the E100 and the standard USB connector to the computer as depicted in the diagram below.

Note: The USB cable can be found in the E100 package provided by REKA Health.

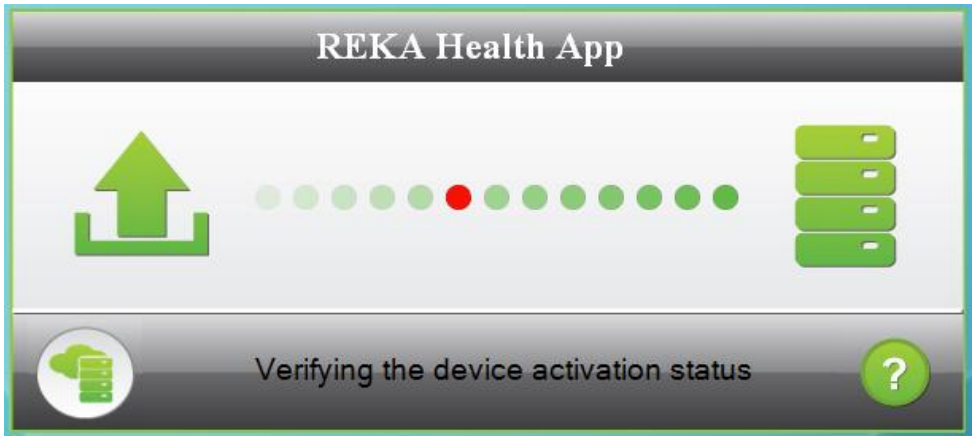




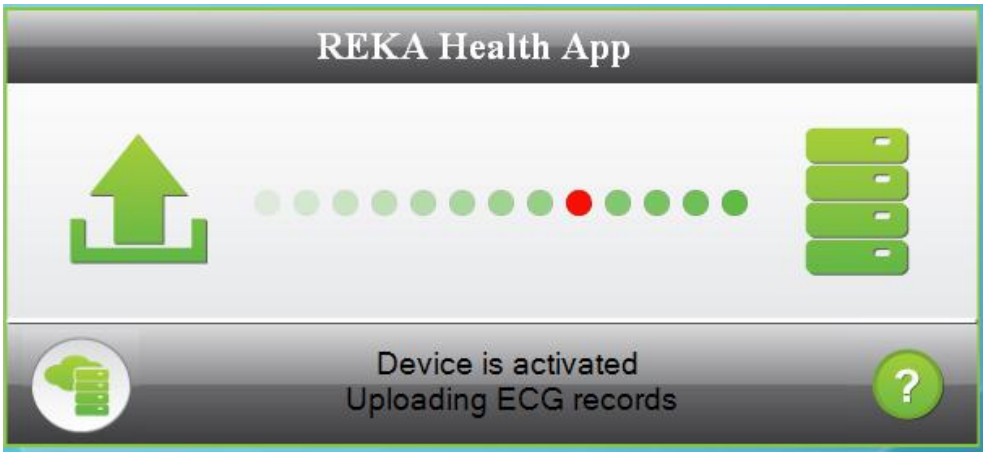
b. How to Upload ECG record(s) to REKA Health Cloud Server

When the E100 is connected to your iPhone or iPad, the REKA App will run automatically and display a message that the device (E100) is detected as shown below.

After detecting the device, the REKA Health App will verify the device activation status as shown below.

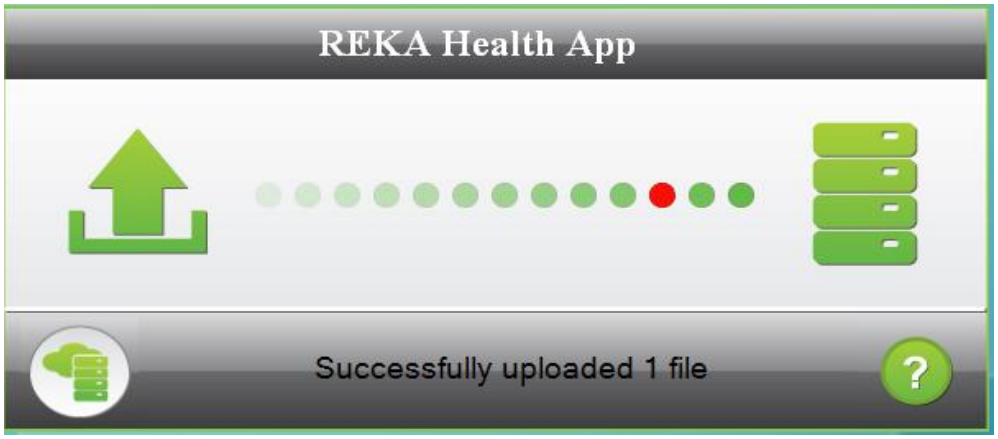


If the device is activated, the dialog box below appears on the screen.

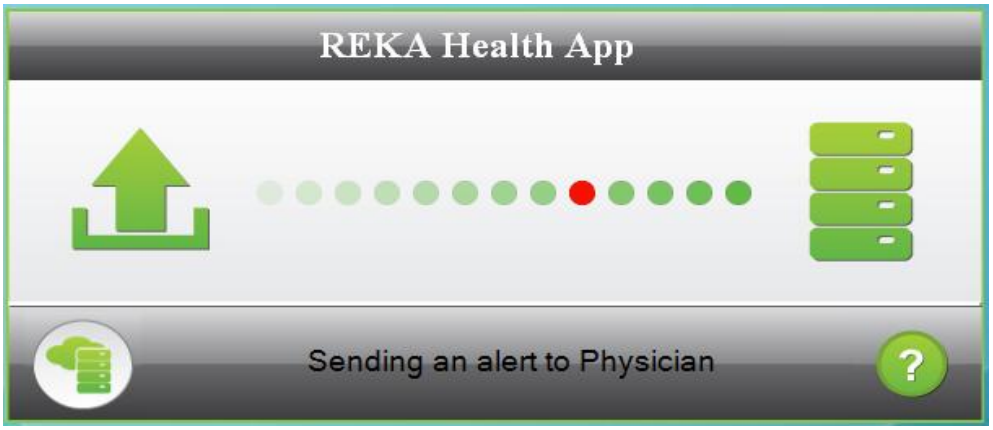


The software will show the number of ECG records stored in the device and will then begin uploading the data to REKA Cloud server. The number will decrement until zero as the files are being uploaded to the server. Once the data has been successfully uploaded, the data in the E100 will be deleted.

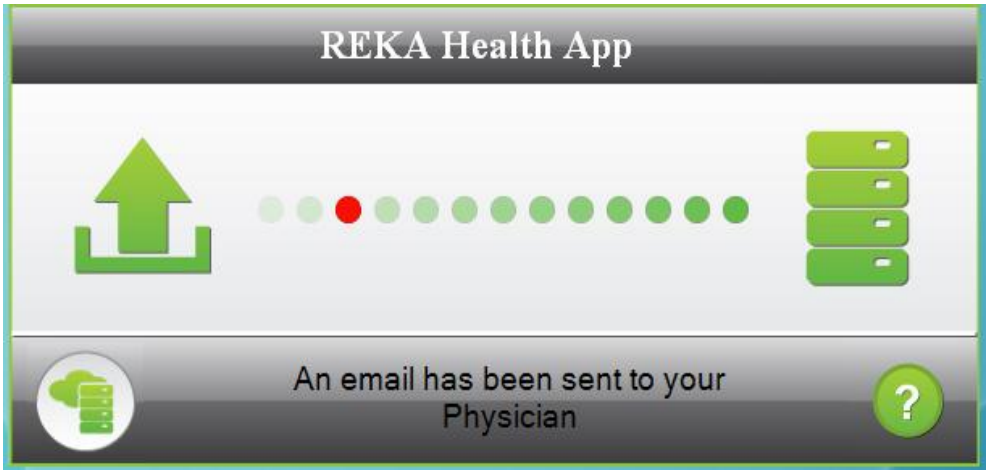
After all the ECG records have been uploaded, the dialog box will indicate successful upload as shown below:



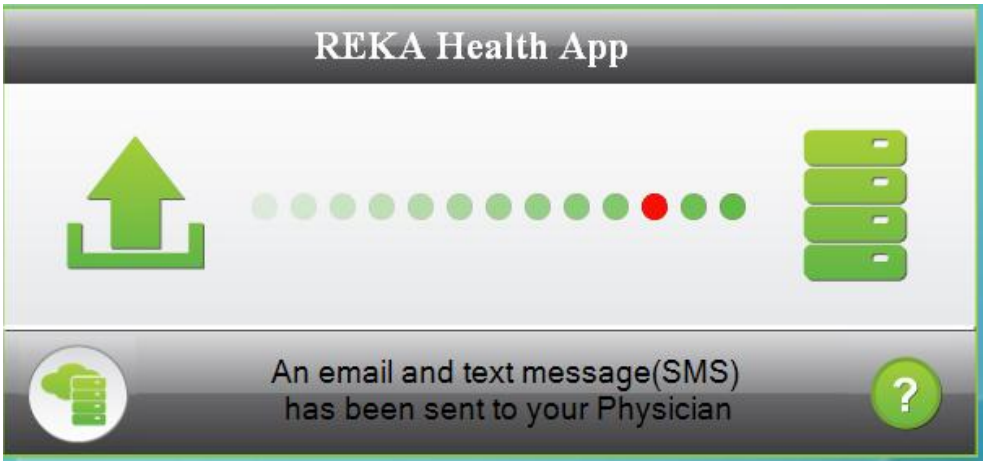
A notification message in the form of an email and/or SMS (depending on preference set by the Physician) will be sent to the Physician.



If only the email address has been registered, an email will be sent to the physician as shown below:



If both email address and mobile number have been registered, an email and text message will be sent to the physician.



4. *New software version indication*

When there is a new software version available on www.rekahealth.com, users will be notified after the ECG records have been uploaded as shown below:

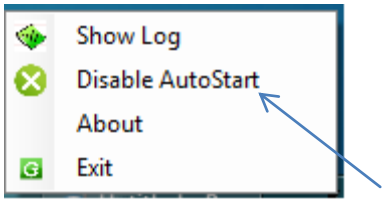
5. How to check the software version

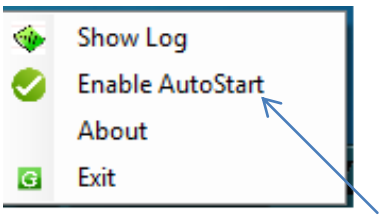
To check the current version of the app, first click on 'REKA Health App' tray icon and then click on the 'About' button to view the software version.

About REKA Health App
REKA Health
Version 3.3.0.0
Copyright © 2012
REKA Health Pte Ltd
REKA Health App uploads ECG records from E100 device to REKA Health cloud. After uploads the App sends an alert (an email and/or text message(SMS) to Physician.
OK

6. Auto Start Enable/Disable upon login

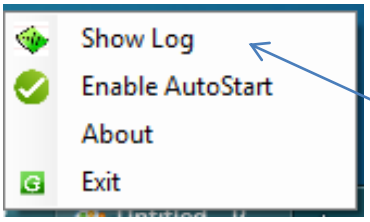
The REKA Health App can be enabled or disabled to start upon computer user account login. The app has been set by default to start automatically upon login. However, this function can be enabled or disabled by clicking on the status bar icon like shown below.

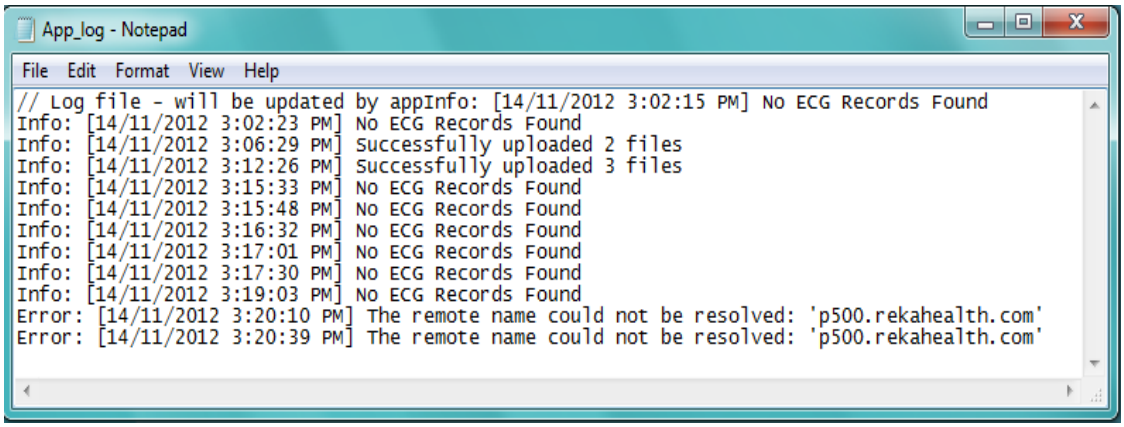




7. Log history

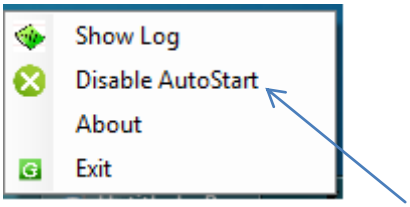
Each time the device is connected, the App will keep a history log of the data uploading status, i.e. number of records successfully uploaded to the server or any errors in the uploading.




App_log - Notepad
File Edit Format View Help
// Log file - will be updated by appInfo: [14/11/2012 3:02:15 PM] No ECG Records Found
Info: [14/11/2012 3:02:23 PM] No ECG Records Found
Info: [14/11/2012 3:06:29 PM] Successfully uploaded 2 files
Info: [14/11/2012 3:12:26 PM] Successfully uploaded 3 files
Info: [14/11/2012 3:15:33 PM] No ECG Records Found
Info: [14/11/2012 3:15:48 PM] No ECG Records Found
Info: [14/11/2012 3:16:32 PM] No ECG Records Found
Info: [14/11/2012 3:17:01 PM] No ECG Records Found
Info: [14/11/2012 3:17:30 PM] No ECG Records Found
Info: [14/11/2012 3:19:03 PM] No ECG Records Found
Error: [14/11/2012 3:20:10 PM] The remote name could not be resolved: 'p500.rekahealth.com'
Error: [14/11/2012 3:20:39 PM] The remote name could not be resolved: 'p500.rekahealth.com'

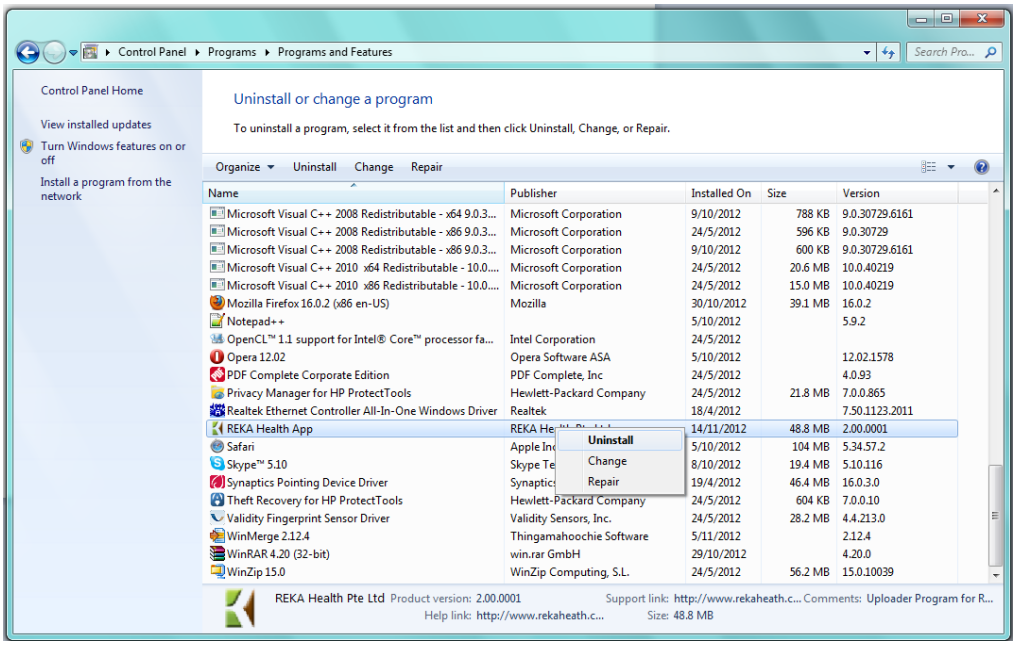
8. *Uninstall*

Step 1: Disable autostart from status bar icon if it had been enabled earlier.



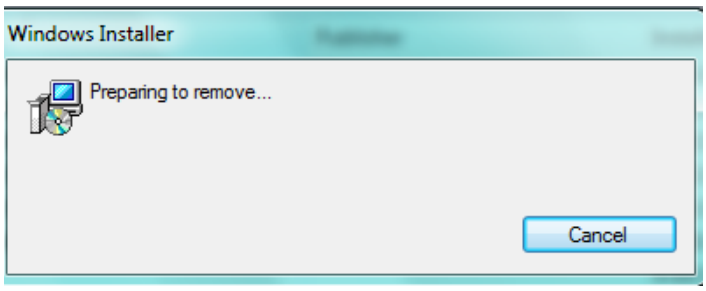
Step 2: Uninstall the 'REKA Health App' Software

Go to Control Panel ⇨ Programs ⇨ Uninstall or change a program and look for the REKA Health App as shown below:


Control Panel ▸ Programs ▸ Programs and Features
Control Panel Home
View installed updates
Turn Windows features on or off
Install a program from the network
Uninstall or change a program
To uninstall a program, select it from the list and then click Uninstall, Change, or Repair.
Organize Uninstall Change Repair
Name Publisher Installed On Size Version
Microsoft Visual C++ 2008 Redistributable - x64 9.0.3... Microsoft Corporation 9/10/2012 788 KB 9.0.30729.6161
Microsoft Visual C++ 2008 Redistributable - x86 9.0.3... Microsoft Corporation 24/5/2012 596 KB 9.0.30729
Microsoft Visual C++ 2008 Redistributable - x86 9.0.3... Microsoft Corporation 9/10/2012 600 KB 9.0.30729.6161
Microsoft Visual C++ 2010 x64 Redistributable - 10.0.... Microsoft Corporation 24/5/2012 20.6 MB 10.0.40219
Microsoft Visual C++ 2010 x86 Redistributable - 10.0.... Microsoft Corporation 24/5/2012 15.0 MB 10.0.40219
Mozilla Firefox 16.0.2 (x86 en-US) Mozilla 30/10/2012 39.1 MB 16.0.2
Notepad++ 5/10/2012 5.9.2
OpenCL™ 1.1 support for Intel® Core™ processor fa... Intel Corporation 24/5/2012
Opera 12.02 Opera Software ASA 5/10/2012 12.02.1578
PDF Complete Corporate Edition PDF Complete, Inc 24/5/2012 4.0.93
Privacy Manager for HP ProtectTools Hewlett-Packard Company 24/5/2012 21.8 MB 7.0.0.865
Realtek Ethernet Controller All-In-One Windows Driver Realtek 18/4/2012 7.50.1123.2011
REKA Health App REKA He... 14/11/2012 48.8 MB 2.00.0001
Safari Apple Inc 5/10/2012 104 MB 5.34.57.2
Skype™ 5.10 Skype Te 8/10/2012 19.4 MB 5.10.116
Synaptics Pointing Device Driver Synaptics 19/4/2012 46.4 MB 16.0.3.0
Theft Recovery for HP ProtectTools Hewlett-Packard Company 24/5/2012 604 KB 7.0.0.10
Validity Fingerprint Sensor Driver Validity Sensors, Inc. 24/5/2012 28.2 MB 4.4.213.0
WinMerge 2.12.4 Thingamahoochie Software 5/11/2012 2.12.4
WinRAR 4.20 (32-bit) win.rar GmbH 29/10/2012 4.20.0
WinZip 15.0 WinZip Computing, S.L. 24/5/2012 56.2 MB 15.0.10039
Uninstall
Change
Repair
REKA Health Pte Ltd Product version: 2.00.0001 Support link: http://www.rekaheath.c... Comments: Uploader Program for R...
Help link: http://www.rekaheath.c... Size: 48.8 MB

Right click on the *REKA Health App* and choose "*Uninstall"*. After this, a window will pop up asking "*Are you sure you want to remove 'REKA Health App' from your computer?",* click on the "*Yes"* button. The REKA Health App has been successfully uninstalled from your computer once the process has been completed.

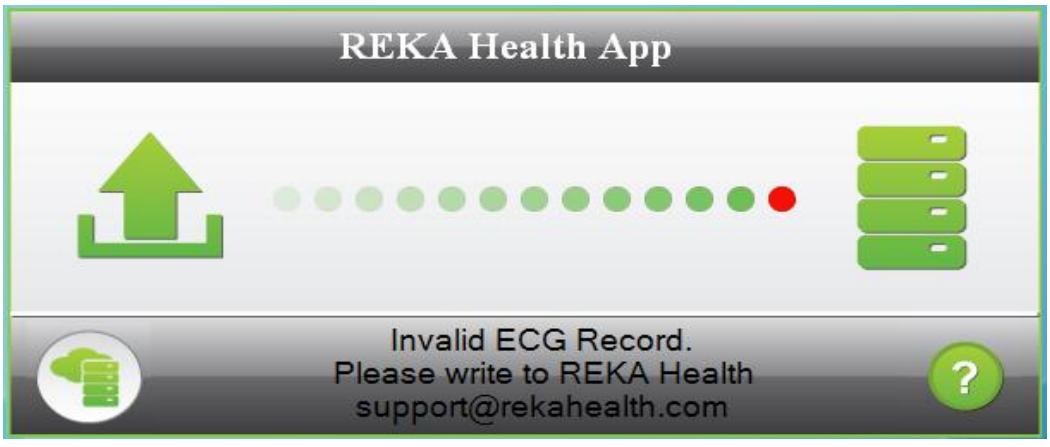
Note: In the event that the “Cancel” button is clicked during the uninstall process, the App will not be uninstalled.



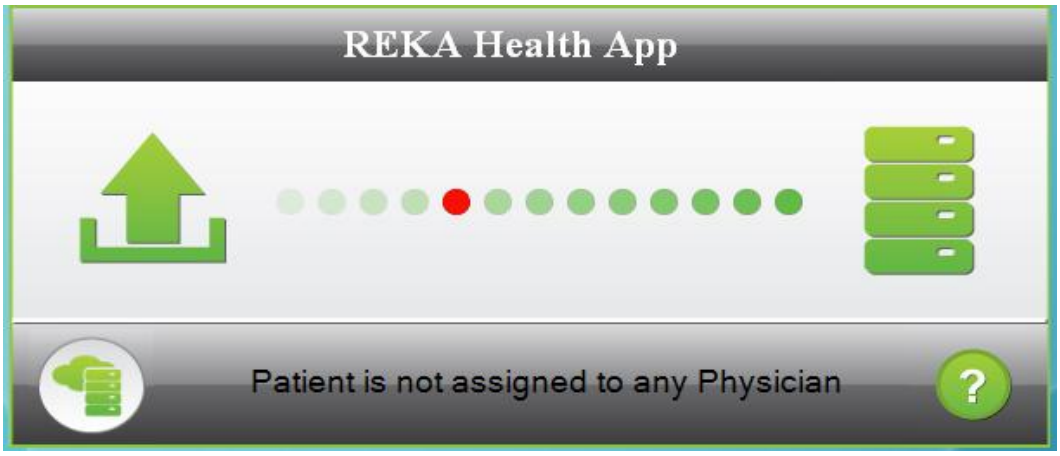
9. *Troubleshooting*

- The dialog box below is shown when the patient tries to upload ECG records but the device is not activated. In this case, please consult your medical centre for device activation.

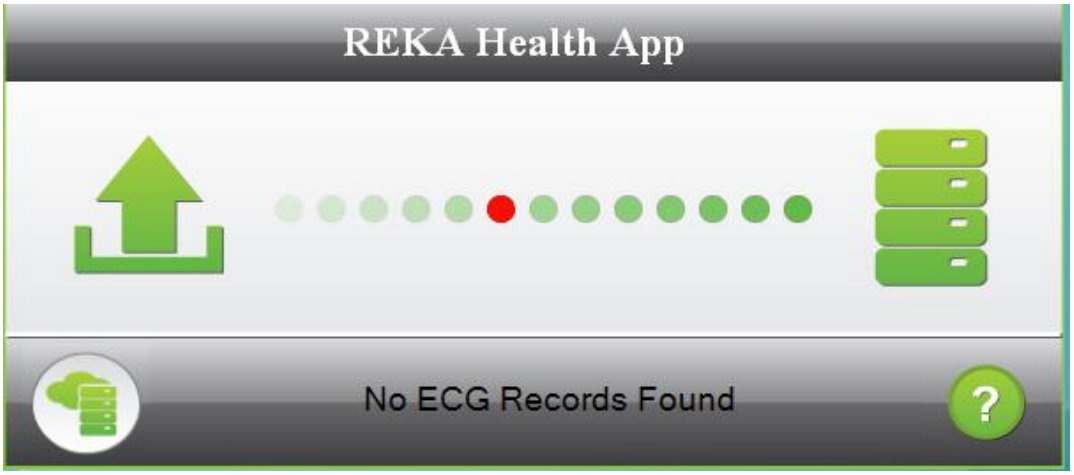
- The dialog box below is shown when the ECG record is corrupted. In this case, please consult REKA Health through email 'support@rekahealth.com' for assistance. Note: Details of the error can be obtained via the Log History.



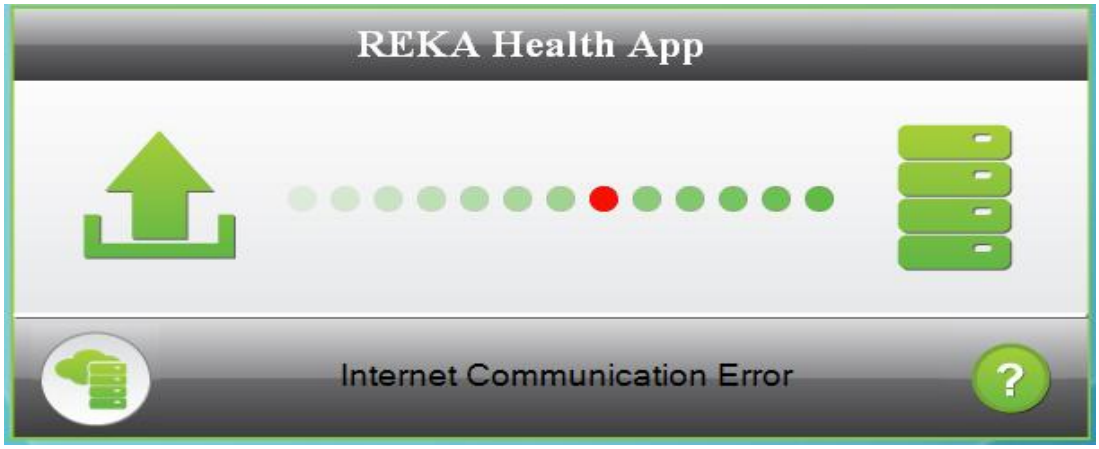
- The dialog box shown below appears when the patient has not been assigned to any Physician.



- The dialog box shown below appears when the device is connected and no ECG has been measured prior to connection.



- Network Connection Errors
  If there is no available network connection or any other network connection errors, the dialog box as shown below appears:



- Device is connected but no window dialog appears.

  Sometimes, E100 USB device cannot be detected due to USB power management issues. In this case, please wait for few seconds and try again.

- REKA icon disappeared from status bar.

The App might be closed if the device is unplugged or removed due to connection problems. The App can be started again by clicking on *REKA* icon from the windows application menu.

End of Document